ELSEVIER

Thermochimica Acta 264 (1995) v–vi

thermochimica acta

Contents

(Abstracted/Indexed in: Curr. Contents: Phys., Chem. Earth Sci.; Eng., Technol. Appl. Sci., Chem. Abstr., PASCAL/CNRS)

Publisher's Note vii

REGULAR PAPERS

Thermodynamics and Calorimetry

Water-soluble calix[6]arenes. Characterization of 5,11,17,23,29,35-hexasulphonate-37,38,39, 40,41,42-hexahydroxycalix[6]arene and thermodynamic study of proton complex formation
G. Arena, A. Contino, G.G. Lombardo and D. Sciotto (Catania, Italy) 1

A test of the applicability of small-molecule group additivity parameters in the estimation of fusion entropies of macromolecules
J.S. Chickos (St. Louis, USA) and M.J.E. Sternberg (London, UK) 13

A kinetic study of the oxidation of L-ascorbic acid (vitamin C) in solution using an isothermal microcalorimeter
R.J. Wilson, A.E. Beezer and J.C. Mitchell (Canterbury, UK) 27

Thermodynamics of binary and ternary melts of the 3d transition metals (Cr, Mn, Fe, Co and Ni) with boron
V.T. Witusiewicz (Kyyiv, Ukraine) 41

Thermal Analysis

Thermal analysis of the crystallization of SAPO-5
Chr. Minchev , V. Valtchev and S. Mintova (Sofia, Bulgaria) 59

Preparation of copper niobates by thermal decomposition of freeze-dried complex oxalate solutons
H. Langbein and G. Wölki (Dresden, Germany) 67

TG-FTIR coupled analysis applied to the studies in urolithiasis: characterization of human renal calculi
S. Materazzi, R. Curini, G. D'Ascenzo and A.D. Magri (Rome, Italy) 75

Excess molar enthalpies of binary mixtures containing dimethyl carbonate or diethyl carbonate and one of six methyl *n*-alkyl ketones. Application of an extended cell model
R. Francesconi and F. Comelli (Bologna, Italy) 95

Vapor–liquid equilibria in the ternary system 1-bromopropane + 1-chlorobutane + cyclohexane
J. Wisniak (Beer-Sheva, Israel) 105

Gibbs free energy of formation of the solid phases $Cu_2Y_2O_5$ and $CuYO_2$ determined by the E.M.F. method
W. Przybyło and K. Fitzner (Krakow, Poland) 113

Phase behaviour in copolymer blends of phenylsulphonylated poly(2,6-dimethyl-1,4-phenylene oxide) and poly(*o*-fluorostyrene-co-*p*(*o*)-chlorostyrene)
R. Vukovic, G. Bogdanic, N. Šegudović, D. Fleš (Zagreb, Croatia), F.E. Karasz and W.J. MacKnight (Amherst, USA) 125

Characterization of thermal reaction by peak temperature and height of DTG curves
S. Kim and J.K. Park (Madison, WI, USA) 137

The effect of thiocyanates on the hydration of portland cement at low temperatures
T. Wise, V.S. Ramachandran and G.M. Polomark (Ottawa, Ont, Canada) 157
Development of the simultaneous thermal analysis/X-ray scattering measurement system
H. Yoshida (Tokyo, Japan), R. Kinoshita and Y. Teramoto (Shizuoka, Japan) 173
Correlation of nickel extraction with iron reduction in oxidic nickel ore by a thermogravimetric method
B.R. Reddy, B.V.R. Murthy, Y.V. Swamy and H.S. Ray (Bhubaneswar, India) 185
Thermogravimetric studies on temperature programmed desorption of probe molecules from dealuminated clinoptilolite
F. Grejták, J. Krajčovič and P. Komadel (Bratislava, Slovakia) 193
Mode of thermal decomposition of diammonium lithium oxyfluoro vanadate (DALOFV) and diammonium rubidium oxyfluoro vanadate (DAROFV)
S.J. Patwe and U.R.K. Rao (Bombay, India) 205
Thermochemistry of heteroatomic compounds. Part 6. Enthalpy of solvation and complex formation of some halides of three-coordinated phosphorus compounds in pyridine
V.V. Ovchinnikov, L.I. Lapteva, Y.Yu. Kudryavtzev and A.A. Sobanov (Tatarstan, Russia) 211
Thermal decomposition of zinc–iron citrate precursor
N.S. Gajbhiye, U. Bhattacharya and V.S. Darshane (Bombay, India) 219

Author Index 231

Subject Index 233